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MONTANA OIL AND GAS STATISTICAL BULLETIN

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SHELBY, MONTANA 59474

OIL AND GAS CONSERVATION COMMISSION
SAVINGS BLDG.
HELENA, MONTANA

Vol. XVI, No. 11 — HELENA INDEPENDENT-RECORD HELENA, MONTANA — November, 1968

Production of crude oil and condensate from the oil and gas areas of Montana for the month of November, 1968, averaged 136,625 barrels daily, an increase of 2,795 barrels from the average October production of 133,830.

The nine refineries in the state processed 108,474 barrels of crude oil daily for the month of November, 1968, an increase of 12,413 barrels from the 96,061 barrels processed daily during the month of October, 1968.

During November, 79 wells were completed. 11 oil, 5 gas and 63 dry holes.

During November, the commission issued 86 permits to drill new wells, a decrease of 32 from the 118 permits issued during October.

SUMMARY OF CRUDE OIL PRODUCTION REFINING, STORAGE, ETC., IN MONTANA MONTH OF NOVEMBER, 1968

IN STORAGE NOVEMBER 1st	
By Producers	409,123
By Transporters	1,335,162
By Refiners	723,031
TOTAL STORAGE	2,467,316
Produced in Montana During Month	4,098,760
Imported During Month	2,436,709
TOTALS	9,002,785
DISPOSITION:	
Refined in Montana	3,254,231
Exported	2,991,833
Used for Fuel or Lost	17,498
TOTAL	6,263,562
IN STORAGE NOVEMBER 30th	
By Producers	414,906
By Transporters	1,548,266
By Refiners	776,051
TOTAL STORAGE	2,739,223

NATURAL GAS WITHDRAWALS IN MONTANA

Month of November, 1968

Field	M. Cu. Ft.
Bears Den	0
Big Coulee	115,272
Bowdoin	182,643
Bowes	41,048
Cabin Creek	108,927
Cedar Creek	740,250
Cut Bank (Including Reagan)	668,000
Devon	0
Dry Creek	97,784
Elk Basin	93,921
Flat Coulee	10,327
Gold Butte	9,408
Golden Dome	0
Grandview	84,916
Hardin	3,122
Keith Block	289,712
Kevin Sunburst	74,099
Lake Basin	101,830
Middle Butte	2,855
Mt. Lilly	34,216
Pine	63,213
Plevna	10,900
Utopia	97,101
Whitlash	100,945
Miscellaneous	156,765
TOTAL	3,087,254

Total withdrawals for November, 1967 were 2,901,825

PRODUCERS REPORT—MONTH OF NOVEMBER, 1968

Leases	Field	No. of Wells	Storage 1st of Month	Oil Produced	Oil Shipped By		Used or Lost	Storage End of Month
					Pipeline	Truck		
3	Ash Creek	3	47	3,012		2,571		488
	Bannatyne		1,081					1,081
	Bascom		312				78	234
5	Bear's Den	6	1,874	1,471		1,446		1,899
78	Bell Creek	356	85,947	1,521,681	1,514,980	2,187	3,052	87,409
1	Benrud	1	532	722	883			371
1	Benrud East	1	539	7,172	6,851			860
1	Benrud Northeast	1	597	5,889	5,301			1,185
1	Berthelote	1	598	403	403			598
5	Big Wall	21	1,503	18,998	19,527			974
5	Blackfoot	7	1,483	2,721	704	2,088		1,412
4	Border	4		1,322		1,322		
1	Bowes	57	5,378	14,323	16,163			3,538
1	Bradley	1	409	674	837			246
2	Brady	2	738	375	375			738
5	Brorson-Red River	5	2,526	37,149		36,797		2,878
2	Brush Mountain	2	899	6,696		6,742		853
2	Cabin Creek	105		292,567	292,567			
16	Cat Creek	71	2,652	15,094	13,898	1,492		2,356
1	Clark's Fork	1	46	193		188		51
2	Conrad South	2	662	1,011	1,011			662
1	Cupton	1	1,348	1,335		1,402		1,281
163	Cut Bank	892	70,529	344,198	344,502	411	127	69,687
2	Deer Creek	3	1,211	2,871	3,469			613
1	Delphia	1	295	301				596
	Devil's Basin		671					671
1	Dwyer	13	4,140	18,375	19,203			3,312
4	Elk Basin	51	2,200	212,380	212,292			2,288
5	Elk Basin Northwest	14	2,422	8,756	8,859			2,319
10	Fairview	11	13,068	83,213		84,856		11,425
2	Fertile Prairie	2	753	1,393	1,373		150	623
8	Flat Coulee	29	4,854	14,485	13,184			6,155
38	Flat Lake	56	5,999	67,277	65,576			7,700
2	Flat Lake South	2	326	5,707	1,075			4,958
2	Frannie	2		855	855			
19	Fred & George Creek	38	4,258	61,951	62,605			3,604
1	Gage	1	737	270	403			604
4	Gas City	17	8,031	28,612	31,234			5,409
11	Glendive	15	2,380	32,742	26,830	5,633		2,659
24	Goose Lake	33	4,421	55,129	54,063		456	5,031
9	Graben Coulee	26	4,297	6,810	5,132	1,674		4,301
	Grandview		528					528
2	Gypsy Basin	2	1,326	470		194		1,602
9	Hiawatha	9	5,933	26,216	25,928			6,221
1	Hibbard	1	348	186				534
1	Injun Creek	1	593	1,230	1,190			633
4	Ivanhoe	9	2,361	8,336	9,049			1,648
8	Keg Coulee	23	6,614	15,547	15,577			6,584
2	Keg Coulee North	2	811	1,273	1,337		170	577
2	Kelley	5	903	13,588	13,510			981
92	Kevin Sunburst	465	15,460	29,375	12,982	15,180	110	16,563
9	Laird Creek	11	406	13,163		13,210		359
1	Little Beaver	29		29,396	29,396			
2	Little Beaver East*	14	1,805	20,715	20,583			1,937
3	Lodge Grass	3	1,351	3,006		2,529		1,828
	Lookout Butte		213				213	
2	Lookout Butte (Coral Creek)	37	321	61,434	61,400			355
2	Mackay Dome	2	902	270				1,172
2	Mason Lake	2	524	1,150	1,150			524
2	Melstone	4	1,059	2,123	2,264			918
1	Mineral Bench	1	779	396	650			525
3	Miner's Coulee	4	520	1,235		1,408		347
11	Monarch	14	5,557	20,949	20,477			6,029
2	Mosser	2		311		311		
6	Outlook	10	4,853	22,952		20,400		7,405
2	Outlook South	2	1,290	5,437		4,923		1,804
2	Outlook West	2	1,310	6,436		6,382		1,364
1	Pennel—Lookout Butte	138	15,975	149,065	155,286			9,754
4	Pine	121	17,385	295,686	292,738			20,333
1	Pole Creek	1	593	950		950		593
66	Pondera	275	8,089	27,973	27,361		219	8,482
4	Poplar	68	7,266	54,764	51,385		302	10,343
4	Poplar Northwest	4	1,645	1,629	757			2,517
1	Prairie Elk	1	671	184		522		333
4	Ragged Point	12	3,224	8,972	8,845			3,351
1	Rattlesnake Coulee	1	788	618	1,058			348
2	Reagan	45	583	21,138	21,236			485
1	Red Creek	26		23,417	23,417			
1	Red Fox	1	398	7,422	7,449			371
1	Redstone	1	671	5,381	5,438			614
1	Repeat	1	184	1,643		1,626		201
4	Reserve	4		14,735		14,474		261
1	Richey	1	350	890	533			707
6	Richey Southwest	8	720	6,185	6,091			814
5	Sand Creek	8	2,386	11,995	11,639			2,742
1	Shotgun Creek	1	121	1,437		1,357		201
3	Sidney-Brorson	3	1,710	2,388		2,446		1,652
2	Smoke Creek	3	649	619		977		291
1	Snyder	3	310	2,231		2,290		251
8	Soap Creek	18	4,485	5,929		5,522		4,892
1	Spring Lake	2	1,108	2,386		1,684		1,810
1	Stensvad	15	4,415	17,644	19,034			3,025
26	Sumatra	89	12,570	62,348	65,206			9,712
5	Tule Creek	6	2,321	39,680		39,084		2,917
2	Tule Creek East	2	1,064	16,097		16,303		858
2	Tule Creek South	3	1,046	11,579		11,913	14	698
2	Vida	2	539	1,397	955			981
4	Volt	5	2,983	17,089	17,434			2,638
2	Weed Creek	3	827	9,034	9,110		45	706
5	Weldon	13	956	54,000	53,062			1,894
1	West Butte	1		6,405		6,405		
16	Whitlash	31	7,723	15,509	15,382			7,850
2	Whitlash West	2	796	554	832			518
3	Wills Creek South	3	329	4,735	4,892			172
6	Wolf Springs	9	2,210	6,435	5,559			3,086
3	Woodrow	3	349	2,976	2,941			384
1	Wildcat, Blaine Cty	1	410	633		684		359
1	Wildcat, Carbon Cty	1	928	38	337			629
1	Wildcat, Daniels Cty	1	139		100		39	
4	Wildcat, Glacier Cty	4	715	1,178	931		4	958
2	Wildcat, Richland Cty	2	2,169	16,160		15,940		2,389
1	Wildcat, Sheridan Cty	1	996	469	132		9	1,324
1	Wildcat, Stillwater Cty	1	797	318	160			955
2	Wildcat, Toole Cty	2		3,518	3,518			
831	Totals	3,454	409,123	4,098,760	3,752,466	335,523	4,988	414,906

Total Oil Produced & Shipped From Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1967	34,959,026	96,778	34,845,434	95,466
First Quarter, 1968	10,606,010	116,549	10,556,409	116,004
Second Quarter, 1968	12,517,926	137,559	12,520,339	137,586
Third Quarter, 1968	13,005,693	141,366	12,997,682	141,279
October, 1968	4,148,733	133,830	4,163,176	134,296
November, 1968	4,098,760	136,625	4,087,989	136,266

Oil In Storage	In Producers Field Tank	In Transporters Storage	In Refiners Storage‡	Total Oil In Storage‡
December, 1967	423,176	1,063,477	632,990	2,119,643
March, 1968	457,799	1,206,686	841,174	2,505,659
June, 1968	442,059	1,477,769	1,023,508	2,943,336
September, 1968	430,609	1,395,375	781,204	2,607,188
October, 1968	409,123	1,335,162	723,031	2,467,316
November, 1968	414,906	1,548,266	776,051	2,739,223

*Montana Oil Only
‡Includes Wyoming Oil

TRANSPORTERS REPORT—MONTH OF NOVEMBER, 1968

	Storage First of Month	OIL RECEIVED BY			Loss or (Gain)	OIL SHIPPED TO			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Truck			2,571				2,571		
BEAR'S DEN—Truck			1,446					1,446	
BELL CREEK—Pipelines		1,514,980	2,187				886,068	631,099	
BIG WALL—									
Continental Pipeline Co.		19,467				19,467			
BLACKFOOT—									
Camerland Cardinal Corp.			2,088					2,088	
Union Oil Co.		704				704			
		704	2,088			704		2,088	
BORDER—Truck			1,322				1,322		
BOWES—Texaco		16,163				16,163			
BRORSON-RED RIVER—									
Rock Island Oil & Ref. Co.			36,797				36,797		
BRUSH MOUNTAIN—									
Sinclair Ref. Co.			6,742				6,742		
CABIN CREEK & OTHERS*									
Butte Pipeline Co.	306,698	716,408	9,183	1,337,306			1,976,195		393,400
Shell Pipeline Co.	7,174	266,180			2,000			266,005	5,349
	313,872	982,588	9,183	1,337,306	2,000		1,976,195	266,005	398,749
CAT CREEK—									
Continental Pipeline Co.		13,898				13,898			
Truck			1,492			1,492			
		13,898	1,492			15,390			
CLARK'S FORK—Truck			188				188		
CUT BANK—									
Continental Pipeline Co.			38,482	776,929				815,411	
Phillips Petroleum Co.	60,593	46,624		70,759	2,579	95,388			80,009
Texas Pipeline Co.	46,432	114,795		28,593	338			173,849	15,633
Union Oil Co.	95,532	68,270		40,592	(1,306)	83,206			122,494
Western Oil Trans. Co.		39,815						39,815	
Western Oil Trans. (Moulton)		45,506						45,506	
	202,557	315,010	38,482	916,873	1,611	178,594		1,074,581	218,136
DWYER—Portal Pipeline Co.		19,142					19,142		
ELK BASIN & ELK BASIN NORTHWEST—									
Marathon Pipeline Co.		220,157				220,157			
FAIRVIEW—Truck			84,856				28,944	55,912	
FLAT COULEE—									
Camerland Cardinal Corp.		11,206				10,500		706	
FLAT LAKE & FLAT LAKE SOUTH—									
Portal Pipeline Co.		61,382					61,382		
FRANNIE—Interstate Pipeline Co.		855					855		
FRED & GEORGE CREEK—									
Camerland Cardinal Corp.	14,078	71,074				24,945		38,939	21,268
GLENDIVE, DEER CREEK, WOODROW & SAND CREEK—									
Texas Pipeline Co.	8,399	36,748			37			34,031	11,079
GOOSE LAKE—									
Portal Pipeline Co.		53,409					53,409		
HIAWATHA—									
Continental Pipeline Co.		23,341					23,341		
INJUN CREEK—Permian Corp.		2,041					2,041		
IVANHOE—									
Continental Pipeline Co.		9,049				9,049			
KEG COULEE & KEG COULEE NORTH—									
Continental Pipeline Co.		17,226				15,411	1,815		
KELLEY—									
Continental Pipeline Co.		13,510				13,510			
KEVIN SUNBURST—									
Big West Oil Co.	4,696	15,281				13,974			6,033
Homestake Oil & Gas Co.	3,180	2,957							6,137
Texas Pipeline Co.	11,237	10,088			126			13,788	7,411
	19,113	28,326			126	13,974		13,788	19,551
LODGE GRASS—Truck			2,529			2,529			
MASON LAKE—									
Continental Pipeline Co.		1,057				1,057			
MELSTONE—									
Continental Pipeline Co.		2,264				2,264			
MOSSER—Truck			311				311		
OUTLOOK & OUTLOOK WEST—									
Rock Island Oil & Ref. Co.			31,705				31,705		
POLE CREEK—Truck			950				950		
PONDERA—Phillips Petr. Co.	47,974	29,966			856	34,168			42,916
POPLAR, BENRUD, BENRUD EAST, OUTLOOK, OUTLOOK SOUTH, OUTLOOK WEST, RED FOX, REDSTONE, RICHEY, TULE CREEK, TULE CREEK SOUTH & VOLT									
East Poplar Gathering System	20,066	129,180			22			136,655‡	12,569
RAGGED POINT—									
Continental Pipeline Co.		8,598				8,598			
RED CREEK—									
Western Oil Transportation Co.		26,349						26,349	
RESERVE—Truck			14,474				14,474		
SHOTGUN CREEK—Truck			1,357				1,357		
SIDNEY-BRORSON—Truck			2,446					2,446	
SMOKE CREEK—Truck			977				977		
SNYDER—Truck			2,290			2,290			
SOAP CREEK—Truck			5,522				5,522		
SPRING LAKE—									
Rock Island Oil & Ref. Co.			1,684				1,684		
SUMATRA & STENSVAD—									
Continental Pipeline Co.	695,622	70,295		533,059	6,982	51,319		430,140	810,535
TULE CREEK—									
Tesero Petr. Corp.	13,481		67,300			67,318			13,463
WEED CREEK—									
Continental Pipeline Co.		9,110				9,110			
WHITLASH & WHITLASH WEST—									
Camerland Cardinal Corp.		18,562				14,911		3,651	
WOLF SPRINGS—									
Continental Pipeline Co.		5,559				5,559			
WILDCAT WELLS—Truck			16,624				16,624		
TOTALS	1,335,162	3,731,216	335,523	2,787,238	11,634	736,987	3,174,416	2,717,836	1,548,266

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Little Beaver, Little Beaver East, Lookout Butte, Monarch, Pennel, Pine, Repeat, Richey, Richey Southwest, Weldon and Wills Creek South.

‡Transferred to Butte Pipeline Company

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF NOVEMBER, 1968

Field	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Farmers Union	Humble Oil & Ref. Co.	Jet Fuel Refinery	Phillips Petr. Co.	Tesoro Petr. Corp.	Union Oil Co.	Total
Big Wall		19,467								19,467
Bowes			16,112							16,112
Cat Creek		8,883				3,886				12,769
Cut Bank	88,730						82,915		71,974	243,619
Delphia						582				582
Elk Basin		87,451		58,688	74,018					220,157
Flat Coulee									10,500	10,500
Fred & George Creek	24,945									24,945
Gage & Gage S.W.						750				750
Hibbard						555				555
Ivanhoe		9,049								9,049
Keg Coulee		3,812		11,339						15,151
Kelley					13,510					13,510
Kevin Sunburst	13,974									13,974
Lodge Grass		2,529								2,529
Mason Lake		1,057								1,057
Melstone				2,264						2,264
Pondera							31,208			31,208
Ragged Point				8,598						8,598
Sand Creek						441				441
Snyder		2,290								2,290
Sumatra & Stensvad		15,039		36,280	13,426					64,745
Tule Creek								73,033		73,033
Weed Creek					9,110					9,110
Whitlash							15,548			15,548
Wolf Springs					5,559					5,559
Total Montana Oil	127,649	149,577	16,112	117,169	115,623	6,214	129,671	73,033	82,474	817,522
Canadian Oil Imported		945,368			23,816					969,184
Wyoming Oil Imported				513,842	953,683					1,467,525
Total Montana, Canadian, and Wyoming Oil	127,649	1,094,945	16,112	631,011	1,093,122	6,214	129,671	73,033	82,474	3,254,231

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1967	29,156	13,866	58,527	101,549
November, 1967	27,317	14,695	51,551	93,563
November, 1968	27,251	32,306	48,917	108,474

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1967	28.71%	13.65%	57.64%
November, 1967	29.19%	15.72%	55.09%
November, 1968	25.12%	29.78%	45.10%